AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS

Claims 1-17 (Cancelled)

18. (Currently amended) The device according to claim ~~15~~ 30, wherein the device is provided with a blowing agent input unit ~~is provided with a bore~~ for supplying blowing agent to an interior of the screw piston.

19. (Currently amended) The device according to claim ~~15~~ 30, wherein the mixing elements are from sintered-metal or ceramic.

20. (Currently amended) The device according to claim ~~15~~ 30 , wherein at least one of the mixing elements is constructed as a rotation-symmetrical pin.

21. (Currently amended) The device according to claim ~~15~~ 30, wherein each of the mixing elements is provided with a means for connecting with the screw piston.

22. (Currently amended) The device according to claim 21, wherein the means for connection with the screw piston includes a threaded bore.

23. (Currently amended) The device according to claim ~~15~~ 30, wherein at least one of the mixing elements is provided with a stepped portion.

24. (Currently amended) The device according to claim 23, wherein the stepped portion is configured for receiving a seal.

25. (Currently amended) The device according to claim ~~224~~ 24, wherein the seal is from copper or a high heat-proof O-ring.

26. (Currently amended) The device according to claim ~~15~~ 30, wherein the mixing elements include cylinders of varying diameters.

27. (Currently amended) The device according to claim ~~15~~ 30, wherein the mixing elements are configured as a cone or a truncated cone.

28. (Currently amended) The device according to claim ~~15~~ 30, wherein the mixing elements are configured with a rhomb-shaped or rectangular cross section.

29. (Currently amended) The device according to claim ~~15~~ 30, wherein the mixing elements are configured as a straight prism or an angular prism.

30. (New) A device for an injection molding machine used in the production of foamed plastic molded parts by an injection molding method utilizing a blowing agent comprising:

- a screw piston supported in an injection cylinder of an injection molding machine defined by a draw-in zone, a compression zone and a metering zone, wherein a diameter of the screw piston downstream following the

metering zone is less than a diameter of the screw piston in the metering zone, and

- mixing elements having permeable portions are extending from the screw piston circumferentially and spaced apart in the area of the reduced piston diameter, said mixing elements are loaded with blowing agent, wherein the mixing elements discharge the blowing agent into a plasticizing melt in the cylinder through the permeable portion into defined locations proximate the metering zone.

31. (New) The device of claim 30, wherein the mixing elements are of suitable length, so that upon rotation of the screw piston, the melt is thoroughly mixed within the cylinder by the mixing elements.